



Wireless Sensing for Commercial Building Automation

FOR IMMEDIATE RELEASE

Spinwave Systems Delivers Major Breakthrough in Wireless Sensor Solutions with its Patent Pending A³ Technology

A³ Technology Forms the Basis for the Industry's Most Reliable and Easy to Deploy Wireless Sensor Network for the Building Automation Market

WESTFORD, Mass – February 8, 2007 – Spinwave Systems, developer of next generation wireless sensing products for the commercial building automation market, today unveiled its A³ technology, a patent pending method and system for frequency agility in a wireless sensor network.

Spinwave's A³ technology eliminates the common problem of poor reliability in sensor data transmission caused by other RF devices. A³ technology further serves to minimize power consumption while optimizing data throughput resulting in a robust, scalable wireless sensor network that delivers ultra-high reliability, even in the harshest of RF environments.

Spinwave's A³ Technology Solves RF Interference Issues in Wireless Sensor Networks

Wireless sensor networks have gained importance within the commercial building automation marketplace for sensing and control applications, however, as the use of wireless grows in popularity, these networks are exposed to an increasing number of interference sources such as WiFi, microwaves, cordless phones, Bluetooth devices, RFID and other wireless sensor networks. Most wireless sensor networks perform well in a "clean" RF environment after initial installation. The challenge is to maintain good performance as the deployment of additional RF sources in a building increases.

Spinwave's A³ **technology** is comprised of three leading-edge techniques designed to dynamically switch RF channels and hop or "spin" around detected RF interference on a time-specific basis. These three techniques, known as *Temporal Agility, Spatial Agility and Density Agility*, collectively perform dynamic adaptive channel hopping in multiple dimensions, resulting in a wireless sensor network that possesses superior network throughput, reliability, scalability, and battery life, even in the harshest of RF environments. With A³ technology, broad geographical areas, with numerous, varied sources of RF interference, can be effectively serviced with a wireless sensor network.

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Spinwave Wireless Sensors Revolutionize the Building Automation Market

Wireless sensor and controls systems are poised to transform the building automation market. Spinwave's patent-pending A⁸ technology forms the basis for a cost-efficient, ultra-reliable solution that allows wireless sensors to be deployed as a superior alternative to wired sensors in a wide range of building automation applications.

Spinwave wireless sensor networks provide a reliable and economical means to increase building efficiency and occupant comfort and are perfect for retrofits, fast track projects and unique installations where a traditional wired solution is either too expensive or physically impossible.

About Spinwave Systems

Spinwave™ Systems is an exciting new company developing next generation wireless sensing products specifically designed for commercial building automation to enable highly energy-efficient building operations and productive and healthy environments. Spinwave's unique system design and rapid deployment toolset allows seamless integration of wireless sensors to existing building automation systems from all major manufacturers. To learn more, please visit www.spinwavesystems.com

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